

# Python: module vcs.\_\_init\_\_

## vcs.\_\_init\_\_

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```
# VCS Visualization and Control System - (VCS) module
#
#####
# Module:      vcs module
#
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#
# Description: Python command wrapper for VCS's functionality. VCS is computer
#               software for the selection, manipulation, and display of
#               scientific data. By specification of the desired data, the
#               graphics method, and the display template, the VCS user gains
#               virtually complete control of the appearance of the data
#               display and associated text and animation.
#
#####
#
```

## Modules

<a href="#">vcs.Canvas</a>	<a href="#">vcs.isofill</a>	<a href="#">vcs.projection</a>	<a href="#">vcs.textorientation</a>
<a href="#">vcs.boxfill</a>	<a href="#">vcs.isoline</a>	<a href="#">vcs.queries</a>	<a href="#">vcs.texttable</a>
<a href="#">cdtime</a>	<a href="#">vcs.line</a>	<a href="#">vcs.scatter</a>	<a href="#">vcs</a>
<a href="#">vcs.continents</a>	<a href="#">vcs.marker</a>	<a href="#">vcs.slabapi</a>	<a href="#">vcs.vector</a>
<a href="#">vcs.displayplot</a>	<a href="#">vcs.meshfill</a>	<a href="#">vcs.taylor</a>	<a href="#">vcs.xvsy</a>
<a href="#">vcs.fillarea</a>	<a href="#">vcs.outfill</a>	<a href="#">vcs.template</a>	<a href="#">vcs.xyvsv</a>
<a href="#">vcs.install_vcs</a>	<a href="#">vcs.outline</a>	<a href="#">vcs.textcombined</a>	<a href="#">vcs.yxvsx</a>

## Functions

***init(mode=1, pause\_time=0, call\_from\_gui=0)***

Function: init

# Initialize, Construct a VCS Canvas

Description of Function:

Construct the VCS Canas object. There can only be at most 8 VCS  
Canvases open at any given time.

Example of Use:

```
import vcs,cu
```

```
file=cu.open('filename.nc')
slab=file.getslab('variable')
a=vcs.init()
a.plot(slab)
b=vcs.init()
template=b.gettemplate('AMIP')
b.plot(slab,template)
c=vcs.init()
isofill=c.getisofill('quick')
c.plot(slab,template,isofill)
d=vcs.init()
isoline=c.getisoline('quick')
c.plot(isoline,slab,template)

# This examples constructs
# Plot slab using default s
# Construct VCS object
# Get 'example' template ob
# Plot slab using template
# Construct new VCS object
# Get 'quick' isofill graph
# Plot slab using template
# Construct new VCS object
# Get 'quick' isoline graph
# Plot slab using isoline a
```

## Data

*taylordiagrams* = [<vcs.taylor.Gtd instance>]